California Department of Transportation
Storm Water Management Program
Regional Work Plan
Santa Ana Region 8

Fiscal Year

2006-2007

CTSW-RT-06-132-16.1

California Department of Transportation
Division of Environmental Analysis
Storm Water Management Program
464 West 4th Street, San Bernardino, California 92401
http://www.dot.ca.gov/hq/env/stormwater

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California Department of Transportation
District 8 Certification

Regional Work Plan 2006-2007

California Regional Water Quality Control Board
Santa Ana Region 8

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

Michael A. Perovich — March 14, 2006

Michael Perovich
District 8

Date

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1.0 INTRODUCTION

General Information about this Regional Work Plan (RWP)

The Regional Work Plan (RWP) provides region-specific information for District 8, Region 8's water bodies, Best Management Practices (BMPs), and monitoring programs. The purpose of the RWP is to describe how the California Department of Transportation (Department) will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2006-2007 as required by the *Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

Goals and Commitments

District 8 will continue to train its Design, Construction, Permits, and Maintenance staff on storm water issues by conducting tailgate meetings and formal classes on specific storm water management strategies and activities. New training for engineering staff will include the principles of designing treatment BMPs. The District continues to implement its storm water program for all Divisions. The District NPDES Storm Water Coordinator evaluates projects on a regular basis to ensure that measures required by the SWMP are effectively implemented. Adjustments will be developed and implemented as the evaluation results identify.

Major Changes

As necessary, the District will evaluate what changes should be made to the District's Departments to improve implementation of the SWMP. Major upcoming changes will include compliance with the requirements of the new Department NPDES permit and revised SWMP, which is currently under negotiation with the State Water Resources Control Board (SWRCB).

Documentation

As necessary, the District will evaluate what changes should be made to the District's documents to improve communication and reporting accuracy. Internal storm water documentation may be updated to reflect the changes.

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2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

District NPDES Storm Water Coordinator

The District NPDES Storm Water Coordinator (NPDES SWC) is a District Senior level employee in charge of all storm water activities in the District. The NPDES SWC is accountable for establishing an effective storm water program and maintaining a liaison with Headquarters and District Division Chiefs for the purpose of effective communication, collaboration, and coordination of storm water activities. The NPDES SWC provides support, direction, and guidance to the other District Storm Water Coordinators (DSWCs).

The NPDES SWC is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The NPDES SWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The NPDES SWC supervises staff, which supports and executes activities of the NPDES SWC and the Storm Water Program.

The responsibilities of the NPDES SWC include:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.
- Serve as the ultimate signatory authority in the District for all compliance documents (with the exception of the Regional Work Plan) and commitments regarding storm water management.
- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Ensure accuracy and adequacy of the storm water workload allocations for the District Office of Storm Water Quality (OSWQ) for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District OSWQ.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.
- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.

- Serve as the primary liaison "single point of contact" on storm water and waste discharge issues between the District and Headquarters, the SWRCB the RWQCBs, U.S. Environmental Protection Agency (U.S. EPA), and other agencies.
- Represent the District on the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies. Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.
- Guides the establishment of impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Works as leader and Chairperson of the District 8 NPDES Task Force.

District Design Storm Water Coordinator

The District Design Storm Water Coordinator (DDSWC) is responsible for coordinating the SWMP and RWP related efforts of the Division of Design as it plans and designs transportation and transportation related construction projects. The DDSWC also coordinates the SWMP and RWP related efforts of local agencies that sponsor projects on the U.S., State, and Interstate highway systems. With the assistance of the District OSWQ, the DSWC:

- Coordinates NPDES related training of Design Staff and consultants that plan and design highway projects.
- Reviews project plans and related documentation to ensure the proper and effective implementation of Best Management Practices (BMPs).
- Represents the District on the Project Development SWAT.
- Creates and implements policies and procedures to ensure Design compliance with the SWMP and NPDES Permit.
- Assists designers with implementing innovative strategies in properly implementing BMPs into projects.
- Coordinates production of Notification of Construction.

District Maintenance Storm Water Coordinator

The Maintenance Storm Water Coordinator (DMSWC) is responsible for communicating with the DDC of Maintenance and Maintenance Field Operations regarding the proper implementation of maintenance related sections of the SWMP and RWP. The DMSWC reports all storm water related maintenance activities to the NPDES SWC and coordinates storm water training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator is the liaison to the Field Maintenance Operations and meets routinely with them to discuss water quality issues, update the Maintenance portion of the RWP, and compile information for the Annual Reports, as well as the SWMP. The DMSWC serves as the conduit for

information between the NPDES SWC and maintenance offices, as well as the Headquarters Maintenance Program (esp. the Maintenance SWAT identified in the SWMP).

District Construction Storm Water Coordinator

Under the general direction of the Division of Construction, the District Construction Storm Water Coordinator (DCSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The DCSWC is responsible for the proper implementation of the SWMP and the RWP within Construction. The DCSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the DCSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur before and during the course of construction.
- Conduct final project closeout inspections.
- Assist with recommendations for preparing the Notice of Completions for SWPPP projects
- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Assist with recommendations for submitting Threat of Discharge reports.
- Assist with recommendations for submitting Illicit Connection/Illegal Discharge Reports for Construction
- Represent Construction in the District's SWMC Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP
- Review and Concur with Project Storm Water Data Reports

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Landscape Architecture Coordinator

The Landscape Architecture Program (LAP), through its erosion/sediment control branch, facilitates the incorporation of water pollution and erosion control recommendations into the planning, design, and construction of all projects in District 8. The Branch Chief, supervisor, of the erosion/sediment control branch is the LAP's Storm Water Coordinator, who is the primary point of contact between the other functional units, SWMC, and the DSWC. The LAP Coordinator provides water pollution control training to Design personnel in coordination with the office of Environmental Engineering and the DSWC. Furthermore, the LAP Coordinator provides field support to Construction, Maintenance, and Permits when requested.

The specific storm water tasks for which the LAP Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during CEQA/NEPA screening.
- Evaluation and recommendation of permanent control and treatment control measures for addressing project storm water impacts.
- Identification of costs related to water pollution and erosion control on programming documents.
- Assists in the development of new specifications, details, and guidance materials related to erosion and sediment control.
- Preparation of contract PS&E to address permanent erosion and sediment controls for projects.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control and treatment control measures to improve or minimize water quality impacts on projects.
- Ensure that reuse locations of soil containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.
- Assist in development of training programs, especially that attributed to LAP staff.

The LAP Coordinator acts as the liaison with the Headquarters Landscape Architecture Program to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the LAP Coordinator is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

District Right-of-Way Storm Water Coordinator

The Right of Way Storm Water Coordinator for the SWMC is currently a District Branch Chief of Property Management. This Coordinator is responsible to:

- Attend all District NPDES Task Force meetings to report on Right-of-Way activities.
- Ensure that storm water training is available to Right-of-Way Agents tasked with property inspection and/or demolition responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.
- Notify the SWMC and/or the DSWC of discharges or situations that appear to be in gross violation of the Department's Permit, SWMP, or RWP.
- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Storm Water Coordinator

The District Engineering Storm Water Coordinator (ESWC) is a member of the D8 NPDES Task Force that provides information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The ESWC ensures that the management and staff of the Office of Hydraulics are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges.

District Public Education Storm Water Coordinator

The Public Education Storm Water Coordinator is a member of the D8 NPDES Task Force responsible for maintaining an effective public information program as specified in this RWP and any elements of the SWMP that are attributed to the District. The Public Education Storm Water Coordinator is responsible for:

- Ensuring publication of storm water articles within District publications (i.e. newsletters)
- Distribution of the District Storm Water Pamphlet
- Development and distribution of Public Service Announcements regarding storm water
- Ensuring that storm water information is available at miscellaneous events, such as County fairs and fleet week, for which Department might be a participant

District Operations Storm Water Coordinator

The Operations Storm Water Coordinator is a member of the District 8 NPDES Task Force that is responsible for ensuring that the District Office of Encroachment Permits complies with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing

permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way comply with the Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the following individuals/positions listed in Table 2–2 are authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Storm Water Program.

Portions of Department District 8 fall within the jurisdiction of the Santa Ana Regional Water Quality Control Board (SA-RWQCB). An organizational chart for the District 8 Storm Water responsibilities is shown in Figure 2–1. Staff members responsible for implementing the SWMP within the SA-RWQCB jurisdiction are listed in Table 2–1. Delegation of signatory authority for key Permit/SWMP required documents is included in Table 2–2.

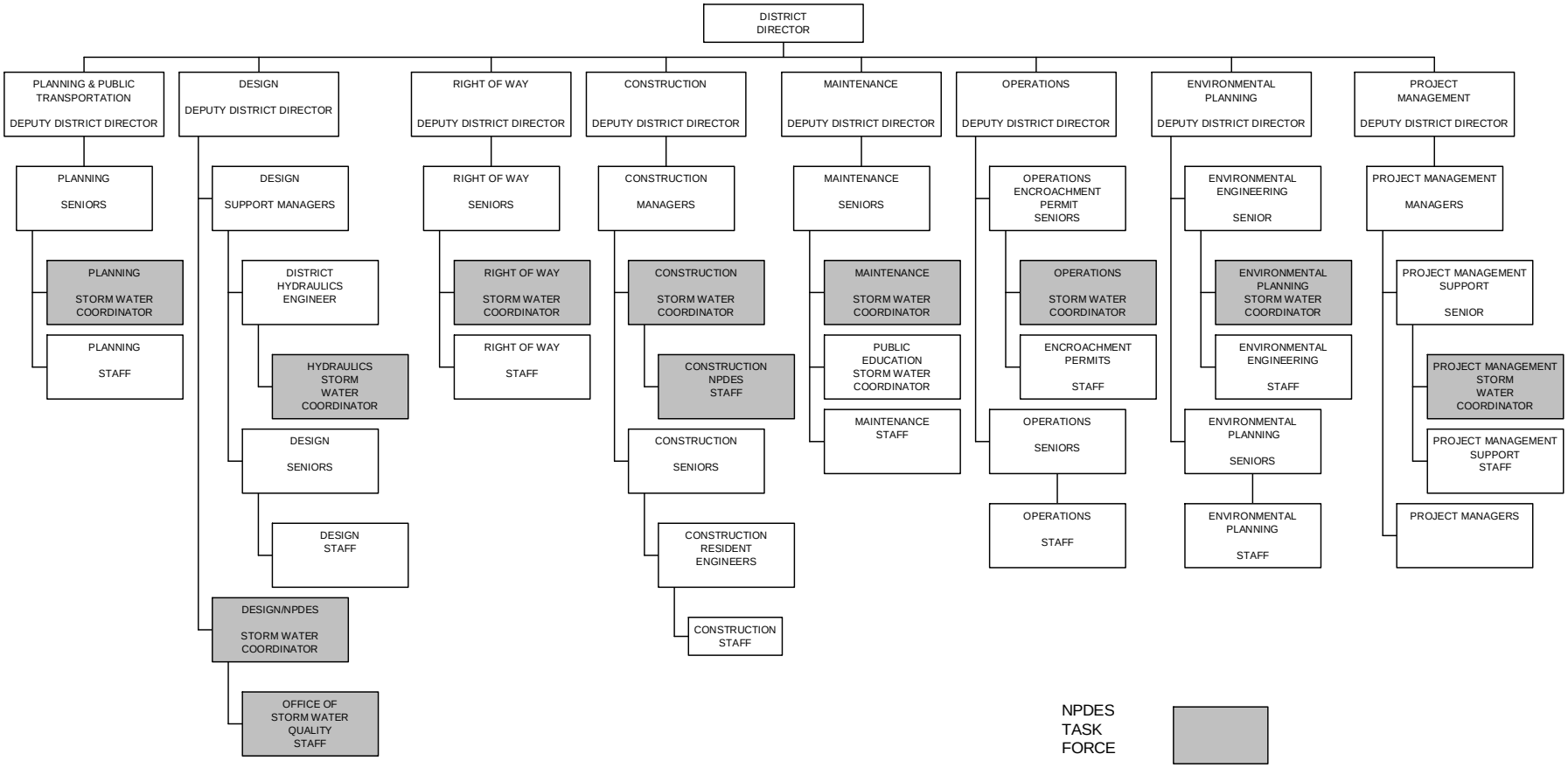
Table 2–1: District 8 Department Storm Water Personnel and Responsibilities

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Paul Lambert	NPDES Storm Water Coordinator, Design Storm Water Coordinator	(909) 383-4948	Paul_Lambert@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the Districts.
David Meress	Construction Storm Water Coordinator	(909) 799-8273	Dave_Meress@dot.ca.gov	Provides assistance to Resident Engineers, and ensures that field construction personnel are appropriately trained to ensure compliance with water pollution control requirements. Conduct inspections to assist field personnel in ensuring that storm water controls are implemented on construction sites and to assist the RE in reviewing SWPPPs.
Jim Dodd	Maintenance Storm Water Coordinator	(909) 383-4703	Jim_Dodd@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the District SWMP
Roy King	Engineering Services Storm Water Coordinator	(909) 383-6478	Roy_king @dot.ca.gov	Primary contact for Hydraulic-related storm water issues.
Ali Hadavi	Project Management Storm Water Coordinator	(909) 383-5908	Ali_Hadavi@dot.ca.gov	Primary contact for Project Management-related storm water issues.
Melvin Mendez	Operations Storm Water Coordinator	(909) 383-7975	Melvin_Mendez@dot.ca.gov	Primary contact for Operations-related storm water issues.
Michael Yarbrough	Right of Way Storm Water Coordinator	(909) 383-4581	Michael_Yarbrough@dot.ca.gov	Primary contact for Right of Way-related storm water issues.
Rosanna Roa	Environmental Planning Storm Water Coordinator	(909) 383-5917	Rosanna_Roa@dot.ca.gov	Primary contact for Environmental Planning-related storm water issues.
Hortensia Irigoyen	Planning Storm Water Coordinator	(909) 383-6391	Hortensia_Irigoyen@dot.ca.gov	Primary contact for Transportation Planning-related storm water issues.
Ivy Estrada	Public Education Storm Water Coordinator	(909) 383-7969	Ivy_estrada@dot.ca.gov	Primary contact for Public Education-related storm water issues.

Table 2–2: District 8 Signatory Authority for Key Documents

Positions	Documents Authorized for Signature
District Director	All
District NPDES Storm Water Coordinator	All District Storm Water related documents except Annual Report Certification
Design Senior Engineer	NOC
Construction Senior or Resident Engineer	SWPPP approval, NOCC, NOC
Maintenance Senior	Maintenance activity reports
Maintenance Superintendent	Maintenance activity reports

Figure 2–1: District 8 Organizational Chart



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3.0 DISTRICT FACILITIES AND WATER BODIES

Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 8 boundaries within the Santa Ana Regional Water Quality Control Board, and major roads and highways are presented on Figure 3-1.

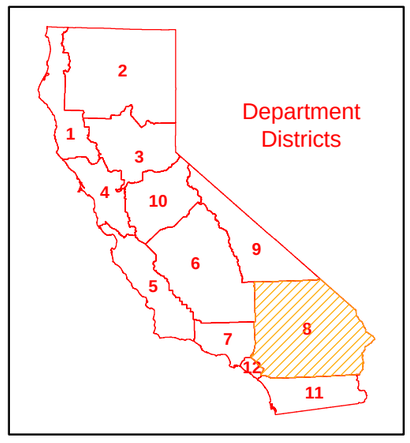
Table 3–1: District 8 Facilities				
CO	**Route**	**PM**	**Name**	**Comments**
Maintenance Stations				
RIV	74	65.7	Keen Camp Lake Hemet, Box 6 Mountain Center, CA	Maintenance
RIV	74	17.8	Elsinore 18745 Conrad Ave. Elsinore, CA	Maintenance
RIV	79	27.4	Hemet 1273 Juanita St. San Jacinto, CA	Maintenance
RIV	91	6.1	Corona 842 El Sobrante Rd. Corona, CA	Land. & Maint.
RIV	91	21.3	Riverside 1091 Everton Place Riverside, CA	Land. & Maint.
SBd	138	15.3	Cajon 14757 State Hwy 138 W. Cajon Valley, CA	Maintenance
SBd	38	20.2	Camp Angelus Hwy 38 Angelus Oaks, CA	Maintenance
SBd	38	51.9	Fawnskin Yard Rte 38 @ Stanfield Fawnskin	Maintenance
SBd	18	39.0	Lakeview	Maintenance
SBd	215	6.9	District 8 Office 464 W. 4th St. SBd., CA	Non-Maintenance
SBd	60	5.8	Ontario 1165 Philadelphia Ontario, CA	Land. & Maint.
SBd	10	20.0	Magana Ortega 451 W. Stover Ave. Bloomington, CA	Land. & Maint.
Vista Points				
RIV	243	13.8	Indian Hill Road	
SBd	38	10.7	Mill Creek	
SBd	38	14.2	Eyes of the World	

Table 3–1: District 8 Facilities				
CO	**Route**	**PM**	**Name**	**Comments**
Commercial Vehicle Enforcement Facilities				
SBd	15	20.62	Cajon	NB
SBd	15	20.86	Cajon	SB
Roadside Rest Areas				
SBd	10	14.3	Fontana	Closed-Storage Site
Park and Ride Facilities				
SBd	15	6.8	Baseline	
SBd	10	18.5	Cedar	
SBd	10	0.7	Montclair	
SBd	71	0.854	Chino	
SBd	10	35.4	Yucaipa	
RIV	60	3.0	County Village	
RIV	60	1.8	Van Buren	
RIV	60	11.8	Orange	
RIV	15	48.1	Limonite	
RIV	15	43.6	Four Wheel Dr Norco	
RIV	91	6.3	Corona	
RIV	15	22.2	Lake Elsinore	
RIV	15	45.6	Norco	
RIV	60	14.3	Moreno Valley	
Sand and Salt Staging Areas				
RIV	74	65.7	Keen Camp	
SBd	138	15.3	Cajon	
SBd	38	20.2	Camp Angelus	
SBd	38	51.9	Fawnskin Yard	
Toll Road and Bridge Plazas				
		None		

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP.

Maintenance Station Addresses

Route/ Post Mile	Name	Street Address	City and Zip Code
Lahontan Regional Board (Region 6)			
15/38.80	Victorville	13693 Mariposa Rd I 15 PM 39.84	Victorville Ca. 92392
15/170.60	Mountain Pass	94200 Clarke Mountain Rd	Mountain Pass Ca. 92366
18/32.90	Dry Creek	32821 Hilltop Blvd.	Arrowbear Ca. 92382
40/0.80	Barstow	1800 Dill Road	Barstow Ca. 92311
395/45.90	Beechers Corner	Jct SR 58 Jct US 395	Boron Ca. 93516
Colorado River Basin (Region 7)			
10/14.60	Banning	2033 E Ramsey Street	Banning Ca. 92220
10/104.50	Desert Center	44-470 Ragsdale Road	Desert Center Ca. 92239
10/152.60	Blythe	431 East Broadway	Blythe Ca. 92226
40/99.70	Essex	Old Hwy 66 Box 4	Essex Ca. 92332
40/143.70	Needles	800 San Clemente	Needles Ca. 92363
62/15.10	Paradise Valley	6690 La Contena Road	Yucca Valley Ca. 93384
62/125.80	Vidal	Jct SR 62 Jct SR 95	Vidal Ca. 92280
86/22.80	Indio	83-997 Indio Blvd	Indio Ca. 92201
Santa Ana Regional Board (Region 8)			
10/20.00	Magana Ortega	451 West Slover Avenue	Bloomington Ca. 92316-2400
18/25.20	Burnt Mill	28712 Hwy 18	Lake Arrowhead Ca. 92317
18/39.00	Lakeview	SR 18 PM 39	Arctic Circle Ca.
38/20.20	Camp Angelus	37710 Hwy 38	Angelus Oaks Ca. 92305
38/51.90	Fawnskin	42060 North Shore Dr	Fawnskin Ca. 92333
60/5.80	Ontario	1165 E Philadelphia Street	Ontario Ca. 91761
74/17.80	Elsinore	18745 Conard Avenue	Elsinore Ca. 92330
74/65.70	Keen Camp	54999 Hwy 74 #6 Lake Hemet	Mountain Center Ca. 92361
79/27.40	Hemet	1738 Juanita Street	San Jacinto Ca. 92383
91/6.10	Corona	842 El Sobrante Road	Corona Ca. 91719
91/21.30	Riverside	1091 Everton Place	Riverside Ca. 92507
138/15.30	Cajon	14757 State Hwy 138	W Cajon Valley Ca. 92371
215/6.90	District 8 Office	404 West 4th Street	San Bernardino Ca. 92401-140



Legend

- Major City
- Rest Area
- Maintenance Station
- Park & Ridge
- Vista
- Department Facility
- Department Boundary
- RWQCB Boundary
- Hydrologic Unit
- County Boundary

RWQCB Index

- RB6 Lahontan Region
- RB7 Colorado River Basin Region
- RB8 Santa Ana Region
- RB9 San Diego Region

N

0 10 20 40

Miles

Figure 3-1
District 8 RWQCB and H.U. Boundaries

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4.0 HIGH-RISK AREAS

This section describes and identifies locations where spills from the Department's owned ROW, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these areas consider project features that enhance spill response.

A list of high-risk areas within District 4 is presented in Table 4–1. High-risk areas (defined in the Section E.2 of the Permit) are areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

Goals and Commitments

The District is committed to maintaining the quality of water within its jurisdiction, as it has been since the inception of the program. In the event that any water quality concerns are detected in the future, goals and commitments will be developed and implemented to address those issues.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and/or guidance on storm water activities and tasks to improve implementation of the SWMP. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District continues to conduct training classes, as needed, to train District staff and contractors on the use of BMPs to comply with SWMP requirements and to address how certain projects might potentially impact high-risk areas. The District will evaluate what training or educational sessions may be helpful in educating District staff about the special issues high-risk areas present and how to address them according to the requirements of the SWMP and Permit.

Table 4–1: District 8 High Risk Areas

Road Segment/ Facility	County	High Risk Area	Description	Comments
74	RIV	Lake Hemet	PM 62.99	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.448	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.546	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.76	Domestic Reservoir

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April. Table 5–1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as "DSA";
- The project affects a 303(d) listed water body within the project limits, designated as "303d";
- The project requires a 401 Water Quality Certification or Waiver, designated as "401";
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as "SEP";
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as "Retro";
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as "LT";
- The project limits are within a "High Risk Area," designated as "HR"; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as "RB."

The information presented in Table 5–1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5–1.

Table 5–2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality; it provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s). Department DNCs or Maintenance Storm Water Coordinators will coordinate with the appropriate RWQCBs to discuss maintenance activities listed in the RWP.

Table 5–3 summarizes various program management activities that are part of the storm water pollution prevention program.

Goals and Commitments

The District continues to track and ensure storm water compliance in Department projects. Projects are reviewed to ensure implementation of storm water treatment controls and erosion control practices are being considered at each phase of the project.

Coordination and Partnerships

As required by the SWMP and Permit, the District coordinates regularly with agencies, partners, local interested parties, and RWQCB staff to accomplish its storm water management goals. If future issues require, the District will coordinate with groups or agencies to implement BMPs wherever possible.

Documents and Reports

As necessary, the District will evaluate what changes should be made to the District's existing documents and assess the need for new documents (such as manuals and guidance) that should be developed to improve implementation activities. Major upcoming changes to documents and reports will comply with the requirements of the new Permit and new SWMP, which is currently under development.

Educational Efforts

The District will evaluate what training or educational sessions may be helpful in educating District staff about implementation activities and how to address them according to the requirements of the SWMP and Permit.

Table 5–1: District 8 Anticipated Project Development/Construction Schedule											Anticipated Project Delivery Schedule		Construction Period	
No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	PA&ED Date	PS&E Date	Start Date	Completion Date
1	D	35842	SBd	38	9.37	R9.69	Bridge Widening	Mill Creek	0.9	401	6/28/2005	9/1/2005	9/15/2006	4/15/2006
2		1A8300	SBd	10	17.8	19.3	Interchange Improvement	I-10 Channel, Rialto Channel, Santa Ana River (Reach 4)	15.8	DSA, 2002 California 303(d) List (Low Priority)	6/3/2002	4/30/2007	11/30/2008	1/29/2011
3	C	463501	Riv	60	6.7	7.5	Modify Interchange	F	2.6 Ha	DSA	7/12/2005	8/2/2006	7/17/2007	8/27/2007
4	E	459900	Sbd	215	0.0	5	Add 2 Mix and 2 HOV Lanes	F	*	N/A	6/19/2009	N/A	N/A	N/A
5	B	0E8000	Riv	91	0	2.9	Add Mixed Flow Lane	F	6.0 Ha	DSA	1/1/2007	2/3/2009	2/1/2011	N/A
6	B	0E4400	Riv	15	38.1	38.1	Widen Ramps	F	0.65 Ha	N/A	3/6/2006	11/13/2006	11/12/2007	N/A
7	C	OO717	SBd	215	4.9	6.5	Widen freeway & Modify Interchange	Warm Creek & Lytle Creek	61	DSA, 401	9/1/2005	7/1/2006	3/1/2007	3/1/2010
8	C	227000	SBD	18	44.2	44.7	Big Bear Dam	Big Bear Lake		401, 404	2/8/2007	12/3/2007	5/2/2008	12/3/211
9	C	445600	RIV	74	14.8	15.2	Left Turn Pocket	Lake Elsinore		401, 404	7/1/2006	1/1/2007	7/1/2007	2/1/2008
10	C	0A5600	RIV	74	14.8	15.2	Curve Realignment	Lake Elsinore		401, 404	7/1/2006	1/1/2007	7/1/2007	2/1/2008
11	C	422301	SBd	I/10/Riverside Ave	18.7	20.8	Interchange Improvement	Rialto Channel, I10 Channel	8.1	303d	12/17/2006	12/1/2006	10/30/2007	4/30/2010
12		468000	SBd	I-10/Cherry Ave	12.5	13.8	Interchange Improvement	I10 Channel	6.7	303d	9/1/2007	4/30/2008	11/30/2008	7/30/2010

Table 5–1: District 8 Anticipated Project Development/Construction Schedule													
										Anticipated Project Delivery Schedule		Construction Period	
No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	PA&ED Date	PS&E Date	Start Date	Completion Date
13	B	497100	SBd	I-15/Baseline Rd	6.3	7.1	Interchange Improvement	Day Creek (US Quad Map)	*	*	1/1/2005	1/1/2008	3/2/2009	8/1/2010
14	B	464200	Riv	I-215/SR 74	27.2	27.5	Interchange Improvement				10/30/2006	3/20/2008	5/1/2008	
15	C	323001	Riv	60	18.1	18.8	Reconstruct Ramps	F	*	*	5/23/2005	9/6/2006	8/20/2007	N/A
16	E	32301K	Riv	60	18.0	19.5	Reconstruct Ramps and Bridge Replacement	F	*	*	10/9/2006	3/16/2006	8/7/2006	N/A
17	B	0A0200	Riv	215	15.3	15.7	Interchange Improvement	F	*	*	7/24/2007	1/3/2007	1/20/2009	5/4/2010
18	B	0E5200	Riv	215	R32.3	R35.8	Interchange Improvement	F	*	*	2/29/2008	11/27/2008	7/8/2010	
19	E	0G5200	Riv	74	R16.160	17.570	Interim Interchange Improvement	F	*	*	5/1/2006	3/16/2006	8/7/2006	N/A
20	B	1A640	Riv	10	4	4.3	Upgrade Brookside SRRA	San Timoteo Creek	Unk	DSA	1/7/2008	9/7/2009	4/4/2010	6/6/2011
21	B	1A600	Riv	10	6.3	7	Install Landscaping and Irrigation (Stg 2)	San Timoteo Creek	Unk	DSA	9/3/2007	4/6/2009	9/6/2009	5/6/2013
22	B	0C820	Riv	15	40	41.3	Replace Planting, Irrigation & Misc Paving in Gore Areas	Santa Ana River, Reach 3	Unk	DSA, 303d	6/5/2006	6/4/2007	11/6/2007	7/6/2009

Table 5–1: District 8 Anticipated Project Development/Construction Schedule													
										Anticipated Project Delivery Schedule		Construction Period	
No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	PA&ED Date	PS&E Date	Start Date	Completion Date
23	B	1A720	Riv	15	41	41.9	Install Landscaping and Upgrade irrigation	Santa Ana River, Reach 3	Unk	DSA, 303d	12/4/2006	8/6/2007	1/1/2008	8/6/2012
24	B	45160	Riv	60	3.4	4.6	Replace Landscaping and Upgrade Irrigation System	Chino Creek, Reach 1	Unk	303d	12/3/2007	2/2/2009	9-Jul	6/6/2011
25	D	47410	Riv	91	5.3	6.6	Upgrade Irrigation and Restore Planting	SA river, Reach 3	Unk	DSA, 303d	5/21/2001	1/16/2003	7/3/2006	3/2/2010
26	D	0C400	Riv	243	13.8	13.9	ADA Upgrade to Vista Point	Lake Fulmor	Unk	303d	2/28/2003	3/30/2006	4/30/2006	7/7/2007
27	B	0H170	SBd	10	3.33	6.3	Hardscape at Euclid and Vineyard IC	Chino Creek, Reach 1, Cucamonga Creek, Valley Reach	Unk	303d	8/1/2006	10/2/2006	2/1/2007	4/2/2007
28	D	40930	SBd	10	6.8	8.3	Install Landscape and Irrigation	Chino Creek, Reach 1, Cucamonga Creek, Valley Reach	Unk	DSA, 303d	3/28/2005	12/30/2005	6/30/2006	4/28/2009
29	D	43700	SBd	138	17.1	19.2	Realign SR-138		?	401	TBD	TBD	TBD	TBD
30	D	334843	Riv	60	11.5	13.7	I/C reconstruction	Sycamore Canyon Creek	200	DSA	3/1/2002	3/5/2003	Mar-04	Apr-07
31	B	20320	Riv	91	13.6	14.5	Van Buren I C	MS4	5	DSA	11/29/2005	3/30/2007	1/27/2011	

Table 5–1: District 8 Anticipated Project Development/Construction Schedule														
											Anticipated Project Delivery Schedule		Construction Period	
No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	PA&ED Date	PS&E Date	Start Date	Completion Date
32	C	32840	Riv	91	11.5	12.1	La Sierra I C	MS4	5	DSA	5/11/2004	2/14/2006	9/16/2008	
33	B	44840	Riv	91	15.6	21.6	91 HOV Lanes	RCFCC	25	DSA	4/1/2005	3/5/2009	7/24/2013	
34	B	377010	Sbd		SE Quad of I-15 / 210 IC		Inland Empire TMP	SBCFCC	10	DSA	11/1/2004	7/13/2006	6/16/2008	
35	C	0F370	SBd	38	17.049	17.089	MB Guardrail	Mountain Home Creek,	0.03	303(d)	11/7/2005	6/6/2006	12/15/2006	12/30/2006
36	C	0C450	Riv	79	29.9	33.9	Pavement Rehab	San Jacinto River	13.5	DSA	6/23/2003	12/6/2006	6/1/2007	12/31/2007
37	B	1A690	Riv	91	8.7	8.9	Chain Link Fence	Temescal Creek	0.15		3/6/2006	7/3/2006	2/15/2007	3/15/2007
38	D	49250	SBd	66	17.14	17.14	Traffic Signal	Etiwanda San Sevaine channel	0.12		9/10/2001	2/1/2005	9/1/2005	3/1/2006
39	B	0C080	SBd	60	3.4	3.5	Widen Off Ramp	Cucamonga Creek	0.44		5/1/2006	11/1/2006	7/1/2006	12/1/2006
40	D	1A5101 Minor B	Riv	79	25.9	25.9	Reconstruct Drainage	San Jacinto Watershed	0.03 (0.012)	Individual project Scope	8/4/2005	2/6/2006	9/5/2006	12/4/2006
41	B	477820 (Minor A	Riv	60	28.3	30.3	Upgrade Guardrail End Treatments	San Timoteo		DSA	5/1/2006	9/6/2006	5/8/2007	2/4/2008
42	C	47230	Riv	10	R0.0	R8.2	Pavement Rehab, Bridge replacement, widen UC, widen off-ramp	San Timoteo Creek	80	DSA, 401	8/29/2003	10/1/2007	6/1/2008	6/1/2010
43	C	46770	SBd	10	15.3	15.8	Construct New	San Sevaine	10	DSA	7/1/2001	5/1/2007	2/1/2008	2/1/2010

Table 5–1: District 8 Anticipated Project Development/Construction Schedule														
											Anticipated Project Delivery Schedule		Construction Period	
No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted by Project	Land Disturbance Acreage	Criteria**	PA&ED Date	PS&E Date	Start Date	Completion Date
							OC and Widen Cypress Ave.	Channel						
44	C	43320	SBd	10	35.5	39.2	Reconst IC	Yucaipa Cr	10.6	DSA, 401	9/3/1998	3/1/2007	9/4/2007	7/1/2009
45	C	0G170	Riv	10	5.5		Modify Existing Interchange		29.5	DSA			1/1/2007	6/1/2008
46	D	47200	SBd	60	0	9.9	Rehab Pavement	Cucamonga Ck/Deer Ck/San Antonio Ch	<.25	303(d)	12/12/2006	5/16/2006	1/2/2007	5/23/2008

Table 5-1 Legend

*SWMP Category is defined in Statewide Storm Water Management Plan (SWMP) Section 4.4.1, Table 4–3,

(A)	Beginning of project development process prior to approval of the PSR (Project Study Report)
(B)	PSR approved, but environmental documents are not final
(C)	Environmental documents final
(D)	Environmental documents final, designs complete and project in the construction phase of project delivery

Note: The most updated SWMP is dated insert new SWMP date. Therefore, the SWMP Categories A, B, C, and D are selected for the projects between the five years period of Year to Year from PID to CCA.

**Criteria:

DSA	=	Disturbed Soil Area is greater than 5 acres
303d	=	303(d) listed water body within project limits and affected by project
401	=	401 Certification/waiver required
HR	=	High Risk (Project limit within a high-risk area)

Key:

EA	=	Expenditure Authorization
CO-RTE-PM	=	County / Route / Post Mile
SWPPP / WPCP	=	Storm Water Pollution Prevention Plan / Water Pollution Control Program
Water Body	=	Water body impacted by project
RB	=	Regional Water Quality Control Board
PID	=	Project Initiation Document
PAED	=	Project Approval / Environmental Document
PS&E	=	Plans, Specifications, and Estimates
RTL	=	Ready to List
CCA	=	Construction Completion Acceptance
SEP	=	Supplemental Environmental Project
Retro	=	Storm Water Retrofit Project (SWMP Section 4.4.2)

Note: All projects that do not require a SWPPP will require a WPCP.

Table 5–2: District 8 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities (1)							
District 8 has no significant road maintenance scheduled affecting 303d listed water bodies for the 06/07 year							
County	**Route**	**PM**	**Description**	**Water Bodies Affected**	**Criteria (2)**	**Start Date**	**Completion Date**
Maintenance Facility and Activity Inspections							
The District Maintenance Storm Water Coordinator will schedule all Maintenance Facilities within District 8 for annual inspections. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). In addition, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP, which are to be identified in the RWP for next year. Headquarters Storm Water Section will have a consultant rewrite the FPPP on three facilities as an update and to compare with the effectiveness of the old FPPPs. The District 8 Maintenance Storm Water Coordinator will schedule at least one activity inspection weekly in the 06/07 year							
Maintenance Facility BMP Improvements							
Inspections described above must be conducted before identifying any improvements.							
Maintenance BMP Actions/Modifications							
Inspections described above must be conducted before identifying any actions or modifications.							
Vegetation Management and Vegetated Slope Management							
District 8 will continue to manage vegetation by integrated vegetation management (IVM) adopted by the Department director in 1992. Our IVM program consists of mechanical, manual, cultural, chemical and structural. The district goal is to control fire risk and maintain safety, but also filtering run-off and minimizing erosion by stabilizing slopes.							

Table 5-2 Legend

(1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.

(2) Criteria:

401 = 401 Certification/Waiver required
DSA = Disturbed Soil Area is greater than one (1) acre
303d = 303 (d) listed water body within project limits and affected by project
401 = 401 Certification/Waiver required
SEP = Supplemental Environmental Project
Retro = Storm Water Retrofit Project
HR = Project limits within High Risk Area
RB = RWQCB designated project as a potential threat to water quality

Table 5–3: District 8 General Management Practices

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 06/07 (See Annual Report).
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report. The Construction Storm Water Coordinator and/or staff will conduct a review of 85-90% of all projects that are required to have a SWPPP or WPCP. The Construction Storm Water Coordinator and/or staff will attend 95% of the pre-construction meetings for new jobs going out to construction.
Training and Public Outreach
1. Training will be provided to Project Planners and Designers on the following topics: Procedures of the Project Planning and Design Guide (PPDG), Permanent Erosion Control, Temporary Erosion Control, Storm Water Data Report Preparation, and the design of Treatment BMPs.
2. Training is an ongoing process for maintenance. All crews are shown the videos of (Storm Water Quality Training For Maintenance) Course # G31430. The Storm Water Coordinator gives training as needed to all maintenance crews regarding BMPs and environmental concerns. Field Supervisors train, review and document BMPs used on maintenance activities at facilities and in the field for maintenance employees. Storm water training is also given in conjunction with Hazmat training. Additional training will be provided as the new maintenance guidelines are completed. Supervisors and Superintendents receive additional Storm Water training at one of the training sessions at the Maintenance Academy in Kingvale. Maintenance Public Affairs Officers distribute Storm Water literature provided from Headquarters' Environmental Section at various Maintenance functions, job fairs, Southern Equipment Roadeo, open houses, Route 66 Rendezvous, etc.
3. Training is an ongoing process for the Construction Division. All construction field office personnel have been through a 6 hr training class, “Storm Water Control on Construction Projects“ /#G0C017. All construction field office Seniors and Resident Engineers are also to attend a “Storm Water Control on Construction Projects Management” this class is currently being scheduled. For new employees and those who were unable to attend the original classes there will be additional classes scheduled. The District Construction Division also conducts mini training sessions in the Districts field offices and provides assistance reviews in the same fashion as the CCMP.
The District Storm Water Unit will also demonstrate the EnviroScape watershed model as part of the District’s “Bring your Child to Work Day." The model will be displayed for children of District employees between the ages of 6 and 16.
The District Storm Water Unit, with the assistance of the District Public Affairs Unit, will seek out additional public information opportunities at County Fairs, schools, and other public events.
Municipal Coordination
District Storm Water Unit staff will participate in meetings of the Riverside County and San Bernardino County MS4 Co-permittee meetings. District personnel will attend meetings/workshop and coordinate as needed with other Stakeholders and the Regional Board on issues pertaining to Total Maximum Daily Loads (TMDLs) for those where the Department has been identified as a potential Stakeholder (See Section 6).

6.0 TOTAL MAXIMUM DAILY LOADS

This section describes and identifies Total Maximum Daily Loads (TMDLs) for which District 8 has received notification from the Santa Ana RWQCB that the Department is a stakeholder. A summary of planned TMDL actions for this TMDL notification is also described.

Goals and Commitments

District 8 is committed to participating with other stakeholders in meeting the objectives and waste load allocations of the Lake Elsinore and Canyon Lake TMDL. The development of a task force to formulate a plan to address the TMDL objectives is in progress. However, preliminary goals and commitments have been developed, which include:

- The development and implementation of a watershed-wide nutrient monitoring program;
- The development and implementation of a Lake Elsinore and Canyon Lake Monitoring Program;
- The development and implementation of a plan to reduce nutrients in Lake Elsinore and Canyon Lake sediments;
- The development and implementation of a plan and schedule for updating the existing Lake Elsinore/San Jacinto River Watershed Nutrient Model and the Canyon Lake and Lake Elsinore In-Lake models;
- Investigation, development, and implementation of a pollutant trading plan; and
- Investigation of a long-term TMDL implementation structure and funding sources.

In addition to participating in the task force, District 8 will continue to evaluate locations for retrofit and future BMP implementation opportunities, such as infiltration basins or treatment BMPs, within the Lake Elsinore/San Jacinto River Watershed.

Coordination and Partnerships

A variety of agencies and organizations are participating in the Lake Elsinore and Canyon Lake TMDL Task Force, such as:

- United States Forest Service (San Bernardino and Cleveland National Forest Management Zones);
- US Air Force (March Air Reserve Base);
- March Air Reserve Base Joint Powers Authority;
- California Department of Fish and Game;
- County of Riverside;
- City of Beaumont;
- City of Canyon Lake;

- City of Hemet;
- City of Lake Elsinore;
- City of Moreno Valley;
- City of Murrieta;
- City of Perris;
- City of Riverside;
- City of San Jacinto;
- Elsinore Valley Municipal Water District;
- Eastern Municipal Water District;
- Agricultural Operators in the San Jacinto River Basin; and
- Dairy Operators in the San Jacinto River Basin.

The District is currently coordinating with the Task Force members, which are in the process of establishing the task force, and developing management and monitoring plans. As the programs are developed and implemented, updates will be provided in future Regional Work Plan submittals.

Documents and Reports

The development of reports on the progress of the implemented programs is an integral part of attaining the objectives of the TMDL and evaluating their effectiveness. Since the task force is still in the process of being established, the development of documents has not yet begun. However, future documents developed as a result of the efforts of the task force may include watershed-wide and lake-specific monitoring programs, as well as programs to reduce nutrient loads, update modeling data, address pollutant trading, and implement the TMDL on a long-term basis. As documents are developed, updates will be provided in future Regional Work Plan submittals.

Since the task force is still in the process of being established, no documents or reports have been produced on the programs in development. Comments received on future documents will be described in future Regional Work Plan submittals.

Independent of the task force, the Department will undergo an evaluation of its activities within the watershed in determining which, if any, activities contribute nutrients to the lakes.

Educational Efforts

After the programs have been developed, the methods to educate District 8 staff in meeting the TMDL requirements will be evaluated. When the training and educational component of the Lake Elsinore TMDL program has been developed, future forecasts of target audiences and number of participants will be provided. In addition, any changes to the educational component and methods to measure the effectiveness of the training will be provided in future Regional Work Plan submittals.

Table 6–1 lists all current TMDL notifications for District 8 and the District's planned action for each notification.

Table 6–1: District 8 TMDL Notifications and Planned Actions

District	Regional Board	Water Body	Pollutant	Potential Planned Action (Status)
8	8-Santa Ana	Lake Elsinore/ Canyon Lake	Nutrients	Infiltration/Treatment BMPs Diversion Dredging of Lake Pollutant trading/offset program
8	8-Santa Ana	Big Bear Lake	Nutrients	Dredging of Lake Alum Treatment Native vegetation planting Pollutant Trading/offset program